

Ser. No. 10/798,586

## Amendments to the Claims

1. (Currently amended) An apparatus comprising:  
a compressor having an inlet and an outlet and at least a first port between the inlet and outlet;  
a condenser having an inlet coupled to the compressor outlet to receive refrigerant and having an outlet;  
a first evaporator having an inlet coupled to the condenser to receive refrigerant and having an outlet coupled to the compressor inlet; ~~and~~  
a second evaporator having an inlet coupled to the condenser to receive refrigerant and having an outlet coupled to the compressor first port to return refrigerant to the compressor, bypassing a compression path between the compressor inlet and first port;  
a first heat exchanger exchanging heat from refrigerant discharged by the condenser to refrigerant discharged by the first evaporator; and  
a second heat exchanger exchanging heat from refrigerant discharged by the condenser to refrigerant discharged by the second evaporator, a donor conduit of the first heat exchanger being downstream of a donor conduit of the second heat exchanger along a refrigerant flowpath portion extending downstream from the condenser.
2. (Original) The apparatus of claim 1 wherein:  
the compressor is a screw-type compressor.
3. (Original) The apparatus of claim 1 wherein:  
the compressor is a scroll-type compressor.
4. (Canceled).
5. (Canceled).
6. (Canceled).
7. (Currently amended) An apparatus comprising:

Ser. No. 10/798,586

a compressor having an inlet and an outlet and at least a first port between the inlet and outlet;

a condenser having an inlet coupled to the compressor outlet to receive refrigerant and having an outlet;

a first evaporator having an inlet coupled to the condenser to receive refrigerant and having an outlet coupled to the compressor inlet;

a second evaporator having an inlet coupled to the condenser to receive refrigerant and having an outlet coupled to the compressor first port to return refrigerant to the compressor, bypassing a compression path between the compressor inlet and first port;

a first heat exchanger exchanging heat from refrigerant discharged by the condenser to refrigerant discharged by the first evaporator; and

a second heat exchanger exchanging heat from refrigerant discharged by the condenser to refrigerant discharged by the second evaporator. ~~The apparatus of claim 5~~

wherein:

a refrigerant flowpath portion extending downstream from the condenser branches into:

a first branch through a donor conduit of the first heat exchanger, the first evaporator, and a recipient conduit of the first heat exchanger; and

a second branch through a donor conduit of the second heat exchanger, the second evaporator, and a recipient conduit of the second heat exchanger.

8. (Currently amended) An apparatus comprising:

a compressor having an inlet and an outlet and at least a first port between the inlet and outlet;

a condenser having an inlet coupled to the compressor outlet to receive refrigerant and having an outlet;

a first evaporator having an inlet coupled to the condenser to receive refrigerant and having an outlet coupled to the compressor inlet;

a second evaporator having an inlet coupled to the condenser to receive refrigerant and having an outlet coupled to the compressor first port to return refrigerant to the compressor, bypassing a compression path between the compressor inlet and first port; and ~~The apparatus of~~

Ser. No. 10/798,586

~~claim 1 further comprising:~~

an economizer having a flowpath segment from upstream of the first and second evaporators to downstream of the second evaporator.

9. (Canceled)

10. (Canceled)

11. (Currently amended) A method for cooling first and second locations comprising:  
compressing a refrigerant with a compressor having a compression path between an inlet port and an outlet port;

condensing the compressed refrigerant;

evaporating a first portion of the condensed refrigerant in a first evaporator at a first temperature to cool the first location;

evaporating a second portion of the condensed refrigerant in a second evaporator at a second temperature, higher than the first temperature, to cool the second location;

returning at least a portion of refrigerant from the first evaporator to the inlet port of the compressor; and

returning at least a portion of the refrigerant from the second evaporator to a first port, intermediate the compressor inlet and outlet ports along the compression path; and

diverting an economizer portion of the refrigerant to bypass at least one of the first and second evaporators.

12. (Canceled).

13. (New) The method of claim 11 wherein:

the first and second locations are respectively first and second compartments of a container.

14. (New) The apparatus of claim 7 wherein:

the compressor is a screw-type compressor.

Ser. No. 10/798,586

15. (New) The apparatus of claim 7 wherein:  
the compressor is a scroll-type compressor.
16. (New) The apparatus of claim 7 wherein:  
the first and second evaporators are respectively in first and second compartments of a container.
17. (New) The apparatus of claim 8 wherein:  
the compressor is a screw-type compressor.
18. (New) The apparatus of claim 8 wherein:  
the compressor is a scroll-type compressor.
19. (New) The apparatus of claim 8 wherein:  
the first and second evaporators are respectively in first and second compartments of a container.
20. (New) The apparatus of claim 1 wherein:  
the first and second evaporators are respectively in first and second compartments of a container.